

0.420" Square to Ø 0.470" Circular Waveguide Mode Transition, Compact

Description:

Model SWT-420470-SA-C-QC is a compact 0.420" Square Waveguide to Ø0.470" Circular Waveguide mode transition. The mode transition is manufactured by either EDM machining or electro-forming techniques to ensure high accuracy and a quality surface finish. The transition only induces nominal insertion loss and offers a return loss of 25 dB or better. The nominal operating frequency is 18 to 20.5 GHz. The dominate mode frequency range can be extended to cover 18 to 26.5 GHz if the higher order waveguide mode is not excited.



Features:

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

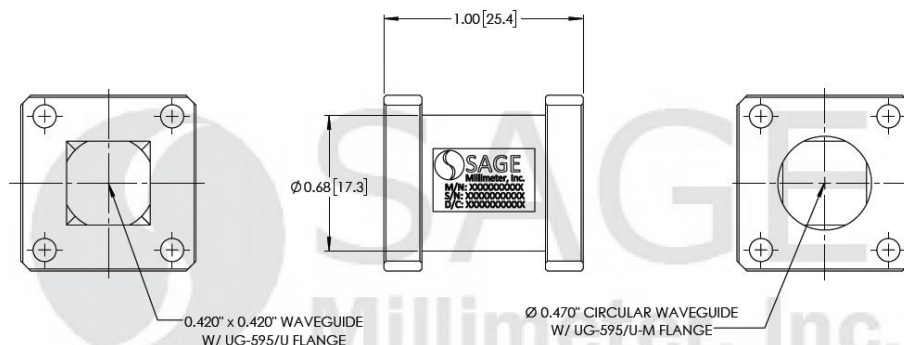
Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

Mechanical Specifications:

Item	Specifications
Waveguide Size	0.420" Square Waveguide with UG-595/U Flange
Waveguide Size	Ø 0.470" Circular Waveguide with UG-595/U-M Flange
Insertion Length	1"
Material	Aluminum
Finish	Gold Plated
Weight	0.51 Oz
Outline	WT-KSC-420-470-C-1.0

Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



Note:

- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.
- Other mechanical configurations are available under different model numbers.



www.sagemillimeter.com | 3043 Kashiwa Street, Torrance, CA 90505
 Phone: 424-757-0168 | Fax: 424-757-0188 | Email: sales@sagemillimeter.com